

REMARKS

In view of the following remarks, Applicant respectfully requests reconsideration and allowance of the subject application. This amendment is believed to be fully responsive to all issues raised in the January 19, 2006

5 Office Action.

Claim Amendments

Claims 5, 7-9, 17, 18, 20, 23, 27, 28, 30-32, and 34 are cancelled.

Claims 1, 3, 10, 19, 21, and 22 are amended.

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Rejections to the Claims

35 U.S.C. 103(a)

Claims 1-10, 17-23, 27, 28, 30-32, and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Number 6,499,109 issued to
15 Balasubramaniam et al. (herein referred to as "Bal") in view of U.S. Patent Number 6,253,323 issued to Cox et al. (herein referred to as "Cox").

As shown above, claims 5, 7-9, 17, 18, 20, 23, 27, 28, 30-32, and 34 are cancelled, rendering the rejection of these claims moot. Furthermore, claims 1, 3, 10, 19, 21, and 22 are amended. Accordingly, pending claims 1-4, 6, 10, 19,
20 21, and 22 are discussed below with respect to Bal and Cox.

Applicant's application describes techniques for limiting access to potentially dangerous code. A control object made up of executable code may be downloaded to a client device via a web page. Other web pages may then

attempt to execute the control object that was previously downloaded. To ensure that the control object is not invoked maliciously, Applicant's application describes digitally signing a web page that invokes a control object before the web page is delivered to a client computer. Applicant's application also

5 describes authenticating the source of a web page that attempts to invoke the control object, and then verifying that the identified source is authorized to invoke the control object. The authentication is performed based on the digital signature that is associated with a web page that attempts to invoke the control object. The authorization may be performed in any of a number of ways,

10 including, but not limited to, comparing the source of the web page with a list of authorized sources. If either the authentication or the authorization fails, then the control object is not invoked.

Specifically, claim 1, as amended, recites:

A method, comprising:

- 15 deriving a digital signature and associating the digital signature with a web page only if the web page includes code to invoke a control object; and
- delivering the web page to an electronic device capable of authenticating the digital signature such that the electronic device
- 20 can execute at least a portion of the web page after the digital signature is authenticated.

Bal describes verifying the source of software downloaded from a remote site to a client computer over a computer network before the software can be

25 executed on the client computer. (Bal, Abstract.) Specifically, Bal describes a

computer-executable program code that first determines the URL to which a browser running on the client computer is pointed and enables the downloaded software program only if the URL to which the browser is pointed is an authorized URL. (Bal, Summary.)

5 Cox describes multiple embodiments of an object-based digital signature that may allow digital signatures to approve or verify portions of documents, address issues associated with the temporal ordering of digital signatures, and allow information dispersed over a network of computing systems to be verified or approved. (Cox, column 6, lines 13-23.) Cox also describes an object based
10 digital signature that allows digital signatures to approve or validate portions of documents. (Cox, column 6, lines 55-57.)

Neither Bal nor Cox teach or suggest "deriving a digital signature and associating the digital signature with a web page **only if** the web page includes code to invoke a control object," as recited in amended claim 1. Accordingly,
15 claim 1 is allowable over Bal in view of Cox.

Claims 2-4, 6, 10, 19, 21, and 22 are allowable by virtue of their direct or indirect dependence on claim 1. Furthermore, one or more of claims 2-4, 6, 10, 19, 21, and 22 may also be allowable over Bal in view of Cox for other reasons.

20 For example, claim 3 recites, "in an event that the web page does not include code to invoke the control object, delivering the web page without a digital signature." Neither Bal nor Cox teach or suggest delivering a web page without a digital signature in an event that the web page does not include code

in invoke a control object. Bal does not teach or suggest digitally signing any web pages; and Cox describes a way in which web pages can be digitally signed, but does not suggest conditionally signing a web page based on whether or not the web page includes code to invoke a control object.

5 Accordingly, claim 3 is also allowable over Bal in view of Cox.

Conclusion

Claims 1-4, 6, 10, 19, 21, and 22 are believed to be in condition for allowance. Applicant respectfully requests reconsideration and prompt
10 issuance of the present application. Should any issue remain that prevents immediate issuance of the application, the Examiner is encouraged to contact the undersigned agent to discuss the unresolved issue.

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Respectfully Submitted,
Lee & Hayes, PLLC
421 W. Riverside Avenue, Suite 500
Spokane, WA 99201

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Name: Kayla D. Brant
Reg. No. 46,576
Phone No. (509) 324-9256 ext. 242

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